GRAND IP VIDEO SERVER PRO

Video & Audio Transmission/ iPhone Web Browser Support

User's Manual

CE

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- Grand IP Video Server Pro
- Quick Guide
- RJ-45 Cable
- Power Adapter (DC 5V, 2A)
- Video Cable
- CD Driver with user manual/ software (IP Detect)/ Surveillance software

2. Introduction

Grand IP Video Server Pro allows you to remotely view the video and listen in the audio over the network (supports iPhone Web Browser).

The surveillance software allows you to record the video in AVI format onto remote PC for future viewing and motion detection function for sending detected images to present email address.

With the Grand IP Video Server Pro, you can share your DVD program or TV Program in your Internet web site or connect to a Video Camera to monitor your home or baby room in internet from anywhere

3. System Requirements

- Router (with DDNS or PPPoE function) is required
- 10Base-T Ethernet or 100Base TX Fast Ethernet
- Processor:
- **IE Remote View:** Intel Pentium4 2.4GHz or higher
- **Surveillance Software:**
  - 1 channel: Intel Pentium4 2.4GHz or higher
  - 2~7 channel: Intel Pentium Core 2 Duo 2.4 GHz or higher
  - 8~16 channel: Intel Pentium Core 2 Quad 2.83 GHz or higher
- RAM: 1GB or higher
- Web browser: Microsoft Internet Explorer V6.0 or higher

4. Product Features

■ Support one video and audio Input.

■ Supports one video and audio output.

■ High Resolution Image Processor

- Support NTSC Video Resolution (176x120/352x240/720x480)

- Support PAL Video Resolution (176x144/352x288/720x576)

■ High Performance Image Compression

■ Supports TCP/IP / HTTP / FTP / SMTP / DHCP / PPPoE / DDNS / UPnP / NTP service

■ Supports Motion detected Mail Function

■ Remote view through the IE browser, simply type in the IP address

■ Supports iPhone Web Browser (in MJPEG format).

■ IP Address Auto Detect Setup

■ Compatible with Windows XP/ Vista/ Linux OS.

■ Multi-Languages OSD: English / French / Portuguese / German / Italian / Netherland / Spanish/ Russian / Japanese / Traditional Chinese

■ Ethernet RJ-45,10/100 Base-T auto-sense

■ Bundle Surveillance Software:

- Video File Management: Video file database and playback control.

- Storage Recyclable: When running out of disk space, files with the earliest date will be overwrite automatically.

- Motion Detection: Detect any movement in the mask area and invoke the alarm as soon as movement is detected.

- Supports up to 16 cameras remote view and record simultaneously.

  NOTE: When remote view and record 16 cameras simultaneously, a system with higher CPU performance is recommend

- Multi-Languages OSD: English/ French/ German/ Italian/ Dutch/ Spanish/ Russian/ Japanese/ Traditional Chinese.

- Supports scheduled recording function.

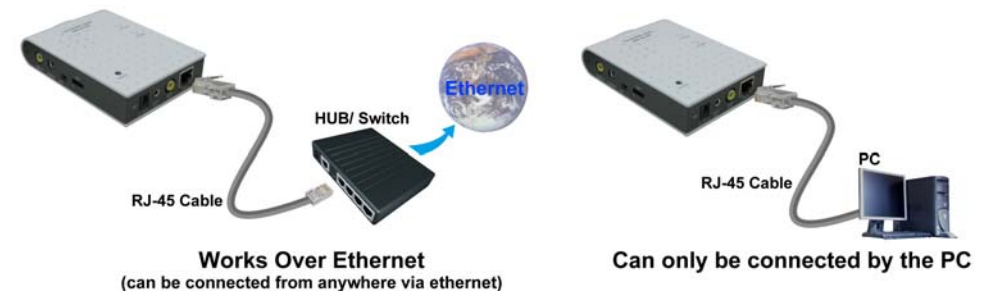# 5. Hardware & Software Installation

5.1 Hardware Installation

5.1.1 Hardware Connection
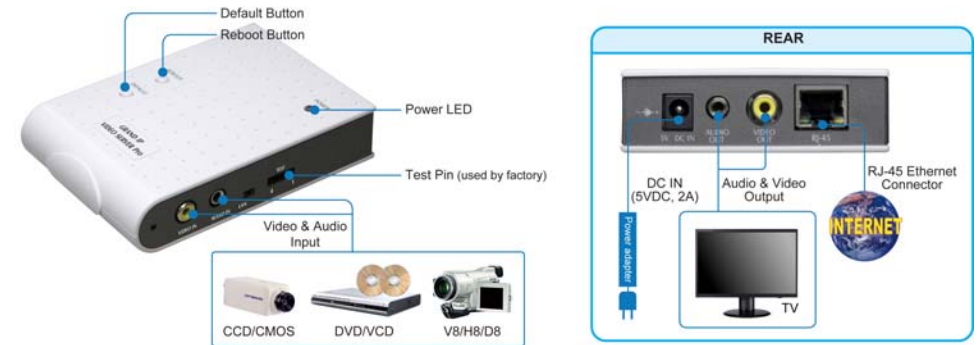
■ **Default Button:** Reset all settings to the original (factory) setting.

(Default IP Address: **192.168.1.100**, Default User Name: **root**, Default Password: **admin**)

■ **Reboot Button:** Press the button to restart the video server.

■ **Video & Audio Input:** Connect to video source (DVD player or CCD camera).

■ **DC Input:** Connects to the power adapter. (5VDC, 2A)

■ **RJ-45 Ethernet Connector:** For connects to 10Base-T Ethernet cabling or 100Base-TX Fast Ethernet cabling.

■ **Video & Audio Output:** Connect to display device (monitor or TV)

5.1.2 Connecting to a Network

■ Connect the IP Video Server Pro to an Ethernet hub or switch by using a standard cable. You can also connect directly to a computer by using the cross-over wire provided.

5.2 Software Installation

Insert the driver CD into your CD-ROM drive, then the autorun function will start up the shell program. If the autorun window does not display, please execute the Autorun.exe program to bring out the autorun screen.

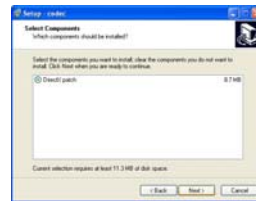**Follow the below steps to install the software program:**

Step1: Press the **Install Audio and Video Codec** to install the audio and video codec.
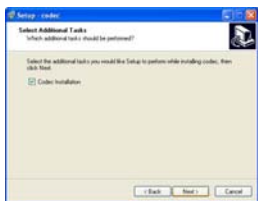

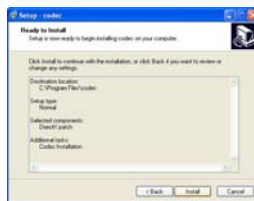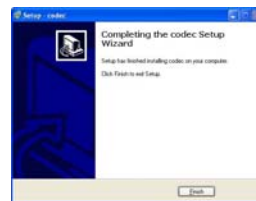click **Next** to continue   select the installation folder and click **Next** to continue   select the **DirectX patch** and click **Next** to continue

click **Next** to continue   click **Install** to start the installation   click **Finish** to complete the installation
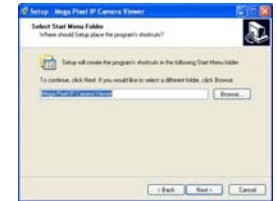
Step2: Press the **Install Mega Pixel IP Camera Viewer** to install the surveillance software.
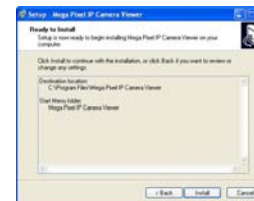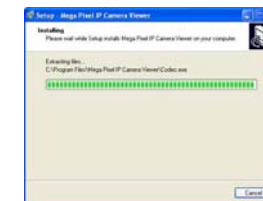

click **Next** to continue   select the installation folder and click **Next** to continue   select the start menu folder and click **Next** to continue

click **Install** to start the installation   Installing   click **Finish** to complete the installation

Step3: Press the **Install IPCam Setup** to install the **IPCam Setup** program.

click **Next** to continue   select the installation folder and click **Next** to continue   Create a desktop icon and click **Next** to continue

click **Install** to start the installation   Installing   click **Finish** to complete the installation

Step4: The shortcut icons (Mega Pixel IP Camera Viewer and IPCamSetup) will be shown on your desktop after installing.

5.3 Internet Browser Settings (IE 6.0)

NOTE: Your browser must be enabled the ActiveX for connect to the V first time.

Step 1: Start the internet browser.

Step 2: Click the "**Tools**" at the top of the screen, and select "**Internet Options…**".

Step 3: Select the "**Security**" tab, and click the "**Custom Level**". Set to "**Enable**" or "**Prompt**" on the "**Download unsigned ActiveX controls**" and "**Initialize and script ActiveX controls not marked as safe**" items.
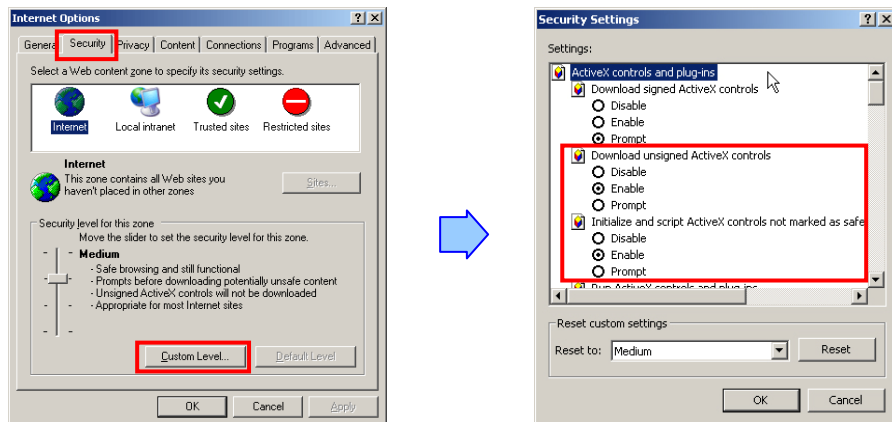
6. Network Installation

Step 1: Double click on () IPCam Setup's execution file on the desktop, and the following screen will appear.
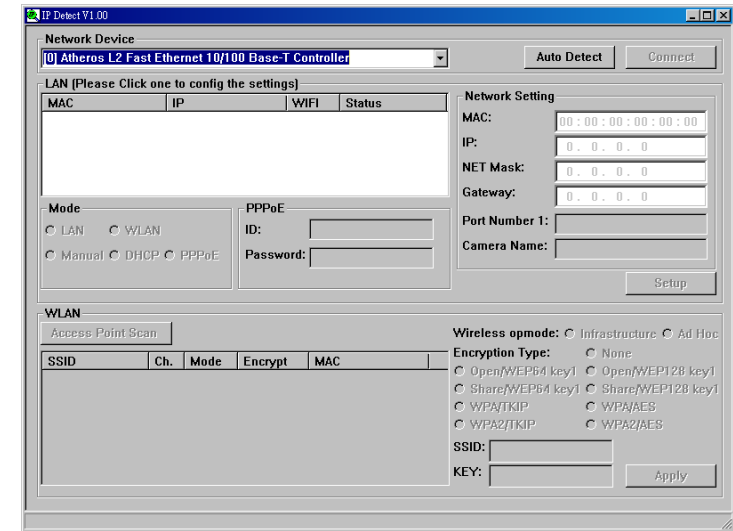
Step 2: Click the "Auto Detect" button, and your video server's MAC and default IP Address will be listed.

Step 3: Click on the "MAC", and the "IP", "Net Mask", "Gateway", "Port Number 1" and "Camera Name" will be displayed in the "Network Setting" area.

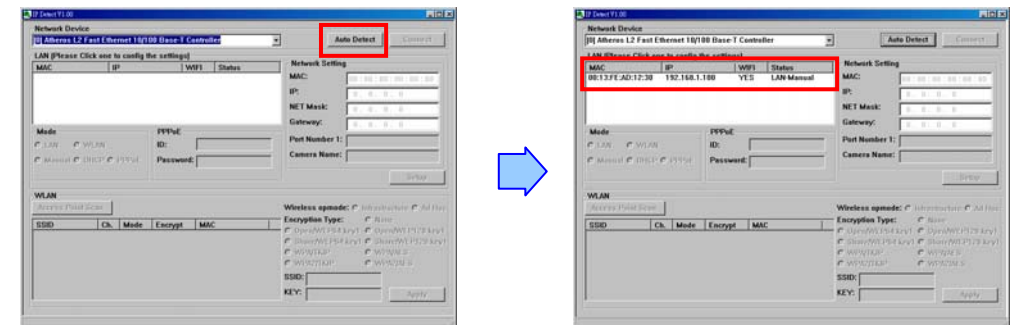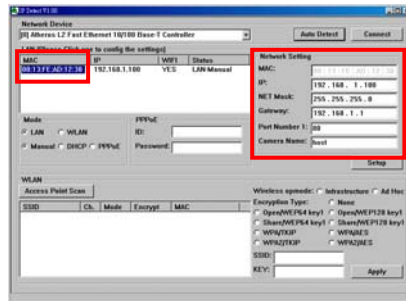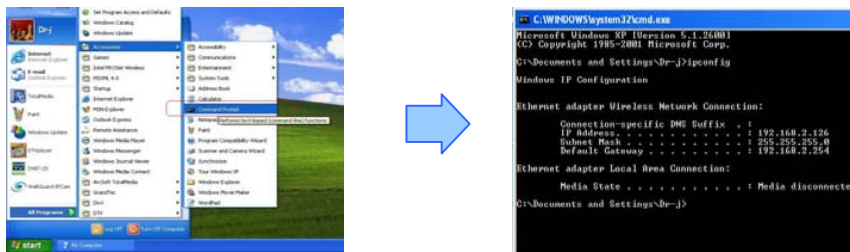NOTE: The IP Address, Net Mask and Gateway must be corresponding with your network settings for you to access the video server. You can follow the steps below to get your network information.

- Click "Start" → "All Programs" → "Accessories" → "Command Prompt". A MS-DOS window will appear. Type "ipconfig" and then press "Enter" to get your network information.

- Assign IP Address, Netmask (Subnet Mask) and Gateway (Default Gateway) for the IP Video Server Pro. (You must use the same Net Mask (ex. 255.255.255.0) and Gateway (192.168.2.254). You can use any IP address between 192.168.2.1-254, but make sure that the IP Address has never been used or is used by another IP addressable device.)

Step 4: Directly modify the "IP", "Net Mask" and "Gateway", and click "Setup" to save.
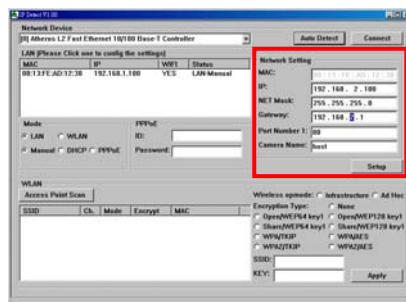
Step 5: Click the "Auto Detect" button again, and the new network information will be shown.
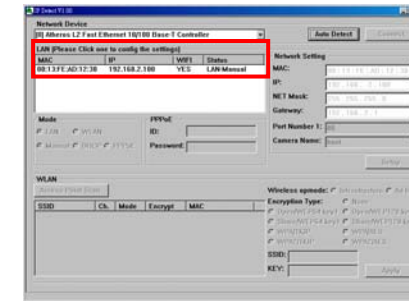
Step 6: Select the "MAC" and click the "Connect" button to connect the IP Video Server Pro.
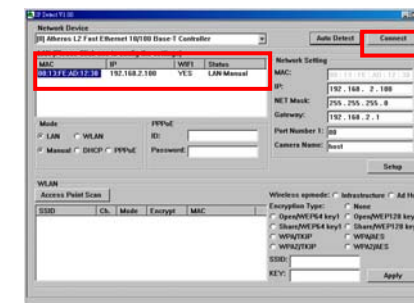
Step 7: When the login screen appears, enter the user name and password (default user name: **root**, default password: **admin**), and click the "OK" button to login your video server.

7. Using the Build-In Web for Configuration

IP Video Server Pro provides a way for users to administrate the video server, a build-in web for accessing the video, setting up the video parameter, configuring the network address etc. After login the video server, the page as below will appear. There are two areas in the page: the Menu List and the Main Display area.

You might access the video stream or select what you want to configure through the Menu List. The video or the details of corresponding configuration will show up in the Main Display area.

7.1 Language Select

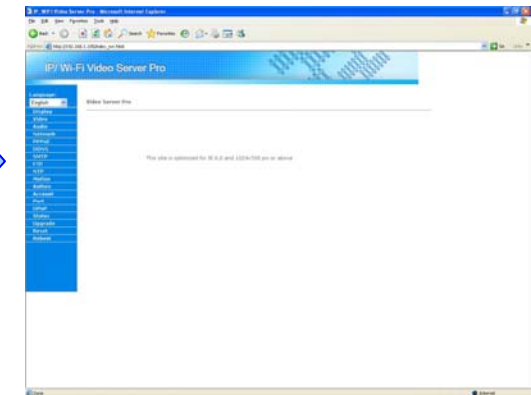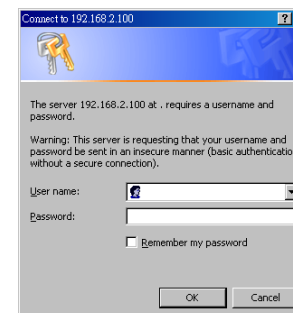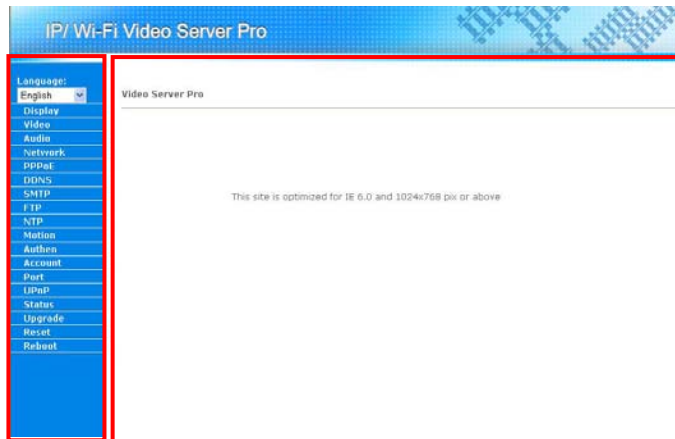You might choose the language used in the build-in web from the draw down list in the top of the Menu List. IP Video Server Pro supports multi-languages: English, Chinese (Tri), Italian, Russian, French, Japanese, Spanish, Portuguese, Netherlands and German.

7.2 Display

User can view the video by clicking on the "Display" in the Menu List. The live stream will show up in the Display area.
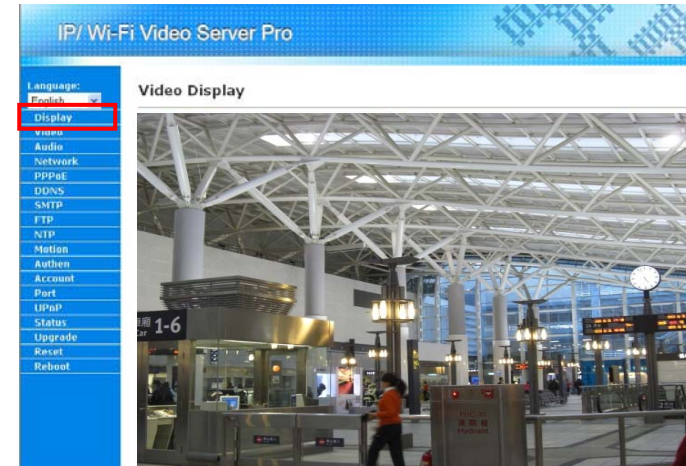
- ■ **Digital Zoom In/ Out Function:** Click left/ right mouse buttons to change the zoom.
  - **- Zoom In:** Move your mouse cursor to the video display area, and click left mouse button to zoom in (The screen can be zoomed in 5 steps).
  - **- Zoom Out:** Move your mouse cursor to the video display area, and click right mouse button to zoom out.

7.3 Video Settings

User can adjust the parameters of the video stream by clicking on "Video" in the Menu List. The details of video setting should appear in the Main Display area.

7.3.1 IE User

- **Fixed Quality:** User might decide the video quality by selecting the degree of the video quality. Mega Pixel IP Camera supports up to 11 degrees of video quality.
- **QMax/QMin:** The quality range supported by video server is from 0 to 51.
- **Resolution:** Select the video resolution.
  - **NTSC:** 176x120/ 352x240/ 720x480
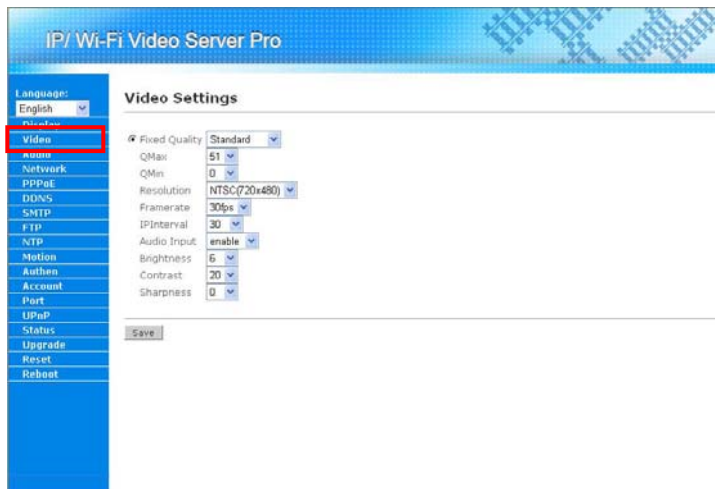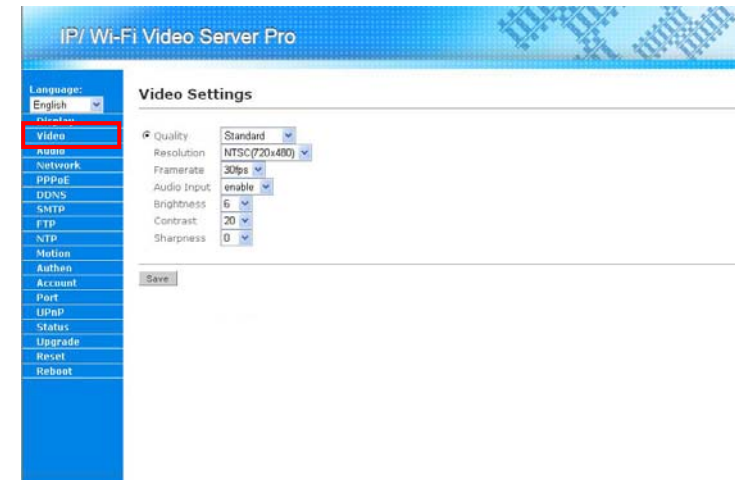 - **PAL:** 176x144/ 352x288/ 720x576
- **Framerate:** Select the frame rate of the video. The range of frame rate supported by video server is from 1 to 30 fps.
- **IPInterval:** Select the interval between two I-Frames in the video stream. The higher this value, the easier the video is vague.
- **Audio Input:** Enable/Disable the audio input of video server.
- **Brightness:** Set the video brightness (0~15).
- **Contrast:** Set the video contrast (0~50).
- **Sharpness:** Set the video sharpness (0~15).
- **Save button:** Save the configuration. All configurations should be available after the configurations are successfully saved.

7.3.2 iPhone User

IP Video Server Pro supports iPhone's browser, Safari. If user uses an iPhone to access to the IP Video Server Pro, the Video Setting page should appear as below.

- **Quality:** Select the video quality. The degrees of the video quality supported by Mega Pixel IP Camera are from 1 to 100.
- **Resolution:** Select the video resolution.
  - **NTSC:** 176x120/ 352x240/ 720x480
  - **PAL:** 176x144/ 352x288/ 720x576
- **Framerate:** Select the frame rate of the video.
- **Audio Input:** Enable/Disable the audio input of video server.
- **Brightness:** Set the video brightness (0~15).
- **Contrast:** Set the video contrast (0~50).
- **Sharpness:** Set the video sharpness (0~15).
- **Save button:** Save the configuration. All configurations should be available after the configurations are successfully saved.

■ **View the Camera from iPhone**

Step 1: Assign your video server an IP address and make your video server accessible through the Internet.

Step 2: Connect your iPhone to the network via 3G or Wi-Fi (refer to your user's manual of iPhone for detail about network setting).

Step 3: Open the Web browser (Safari) and enter the URL that you assign to your IP Video Server Pro (we use IP in this case). Then the video server will ask you user name (default user name: **root**) and password (default password: **admin**) for authentication.

open the Web browser   enter the IP adress   enter the user name
                                                            and password

Video Server's Web page

7.4 Audio Settings

User can adjust the parameters of the audio stream by clicking on "Audio" in the Menu List. The details of audio setting should appear in the Main Display area.
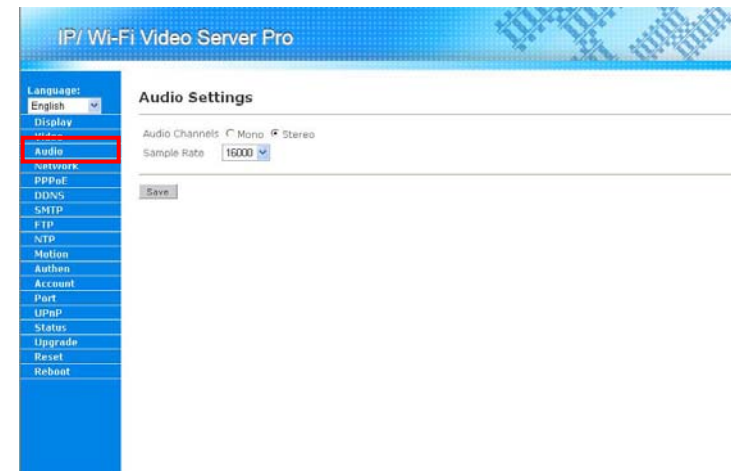
■ **Audio Channels:** Select the audio channel. IP Video Server Pro supports mono and stereo audio.

■ **Sample Rate:** Adjust the audio quality by selecting the sample rate of the audio. The sample rates supported by the IP Video Server Pro are: 16000, 32000 and 48000.

■ **Save button:** Save the configuration. All configurations should be available after the configurations are successfully saved.

7.5 Network Settings

User can configure the network setting by clicking the "Network" in the Menu List. The details of network setting should appear in the Main Display area.

- **Ethernet Interface:**
  -**DHCP Client:** Enable/Disable the DHCP Client function. If the user wants to use dynamic IP address for IP Video Server Pro, please select "On" here.
  -**IP Address, Subnet Mask and Gateway:** If the user wants to use a static IP address for IP Video Server Pro, please enter the IP Address, Subnet Mask and Gateway
  -**DNS Settings:** Enter the DNS servers to IP Video Server Pro for name resolution.
- **Save button:** Save the configuration. All configurations should be available after the configurations are successfully saved.

7.6 PPPoE Configuration

IP Video Server Pro supports PPPoE dial-up function that let it directly connect to the Internet through a DSL modem. Please click on the "PPPoE" in the Menu List for further setup.
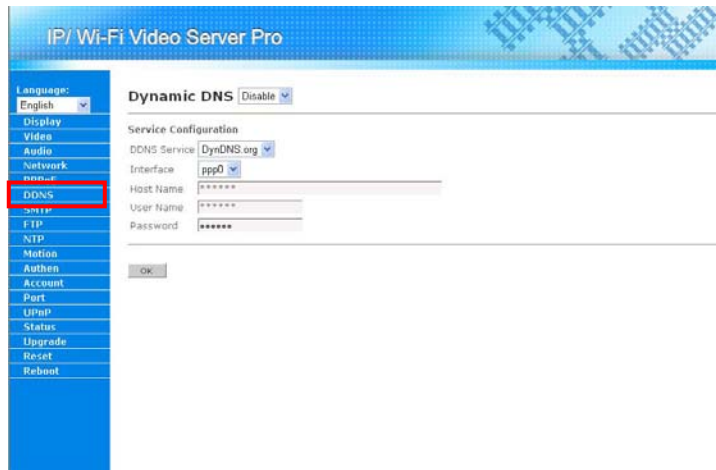

- **PPPoE User/Password:** User might enter the PPPoE user name and password here.
- **Auto start after reboot:** If this function is selected, the PPPoE function will auto start after the IP Video Server Pro reboot.
- **Apply button:** Apply the configuration. All configurations should be available after the configurations are successfully saved.

7.7 Dynamic DNS

Dynamic DNS is a network service that provides the domain name resolution for dynamic IP address. After creating an alias on the service provider's web site, user might use this alias to access video server on the Internet. For further configure this function, please click on the "DDNS" in the Menu List.

- **Dynamic DNS:** Enable/Disable the DDNS function.
- **DDNS Service:** Select the DDNS service provider the user wanted to use.
- **Interface:** Select the network interface for registering. If video server connects to the Internet via a PPPoE connect, please use the ppp0 interface.
- **Host Name:** In put the host name (alias) that the user creates on the service provider's web site.
- **User Name/Password:** Enter the account information for login the DDNS service.
- **OK button:** Press "OK" button for apply the configurations.

7.8 SMTP Settings

IP Video Server Pro supports a build-in SMTP client for sending alarm e-mail. When the motion detection function (see 7.11, Motion Detection Settings) is enabled, user might choose to receive alarm e-mail when motion is detected. Please click on "SMTP" in the Menu List for further configuration.

- **SMTP Server:** Enter the mail server's address that the user wants to use for sending e-mails.
- **Recipient:** Enter the e-mail address for receiving the alarm e-mail.
- **Username/Password:** Enter the account information for logging in the mail server.
- **Authentication Method:** Select the authentication method for the delivering e-mail account.
- **Save button:** Save the configuration. All configurations should be available after the configurations are successfully saved.

7.9 FTP Settings

IP Video Server Pro supports a build-in FTP client for uploading image or video. When the motion detection function (see 7.11, Motion Detection Settings) is enabled, user might choose to upload video or image when motion is detected. Please click on "FTP" in the Menu List for further configuration.

- **FTP Server:** Enter the FTP server's address that the user wants to use for uploading files.
- **FTP Port:** Enter the FTP port number. The default port used in FTP is 21.
- **User Name/Password:** Enter the account information for logging in the FTP server.
- **Remote Folder:** Enter the remote folder on the FTP server for uploading files.
- **Passive Mode:** If the FTP server supports passive mode, user might enable this function for utilizing this mode.
- **Save button:** Save the configuration. All configurations should be available after the configurations are successfully saved.

7.10 Date and Time Settings

User could click on the "NTP" in the Menu List for configuring the time of video server.

- **Synchronized with Time Server:** Use a NTP server to configure the time of video server.
  -**NTP Server:** Enter the NTP server the user wants to use.
  -**Time Zone:** Enter the Time Zone in which IP Video Server Pro is located.
- **Manual Update:** Configure the time of IP Video Server Pro manually.
  -**Date:** Specify the date here.
  -**Time:** Specify the time here.
- **Synchronized with PC:** When this function been selected, IP Video Server Pro will synchronize its time with the PC that is browsing it.
- **Save button:** Save and apply the configuration.

7.11 Motion Detection Settings

IP Video Server Pro supports the motion detection function. When this function is enabled, IP Video Server Pro will monitor the video captured by it. And IP Video Server Pro will send alarm e-mail with image/video or upload the image/video to a FTP server when some object moves in the video.

- **Detect Frame Interval:** Define the detection frame interval here.
- **Window:** Define the detection area which needs to be monitored in the video. User could draw this area by using the x and y coordinates.
  -**Motion Detection On/Off:** Enable/Disable this detection area. The lower this value, the easier the motion detection is triggered.
  -**Sensitivity:** Defines a value of the changes. It compares the last image and the current image and counts changes. A small value means more sensitivity.
  -**Threshold**: Set the threshold of the motion detection function.
  -**Start/Stop Coordinate:** Using the X, Y coordinate to draw the scope of the detection area.
- **Alarm Picture:** Configuring the alarm picture here. The pictures will be sent with the alarm e-mail or upload to the FTP server when motion is detected.
  -**Enable:** Enable/Disable the alarm picture function.
  -**Filename:** Set the name of the pictures sent along with the e-mail or uploaded to the FTP server.
- **Alarm Video:** Configuring the alarm video here. The video clips will be sent with the alarm e-mail or upload to the FTP server when motion is detected.
  -**Enable:** Enable/Disable the alarm video function.
  -**Pre-Alarm I Frame Number:** Set the I frame number the user wants to capture before the motion happened.
  -**Post-Alarm I Frame Number:** Set the I frame number the user wants to capture after the motion happened.
  -**Filename:** Set the name of the video clips sent along with the e-mail or uploaded to the FTP server.

- **Alarm Action:** Enable/Disable the Mail/FTP upload function.
  -**Alarm Mail:** Enable/Disable the alarm e-mail function. Before enabling this function, please configure the SMTP configuration first. (refer to section 7.8)
  -**Alarm Ftp:** Enable/Disable the FTP upload function. Before enabling this function, please configure the FTP configuration first. (refer to section 7.9)
- **Save button:** Save and apply the configuration.

7.12 Authentication Settings

IP Video Server Pro provides video stream authentication. If this function is enabled, users need to be authenticated for accessing the video stream. For further configure this function, please click on the "Authen" in the Menu List.
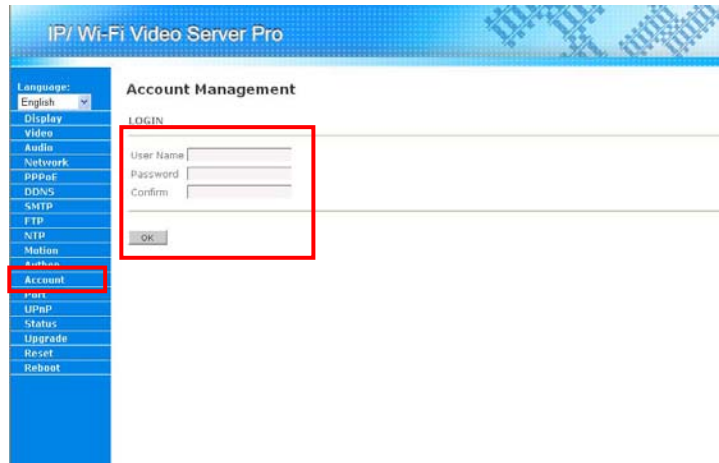

- **Authentication On/Off:** Enable/Disable video authentication.
- **Number of Connections:** User might specify the maxima of connections here. IP Video Server Pro could support up to 20 connections simultaneously.
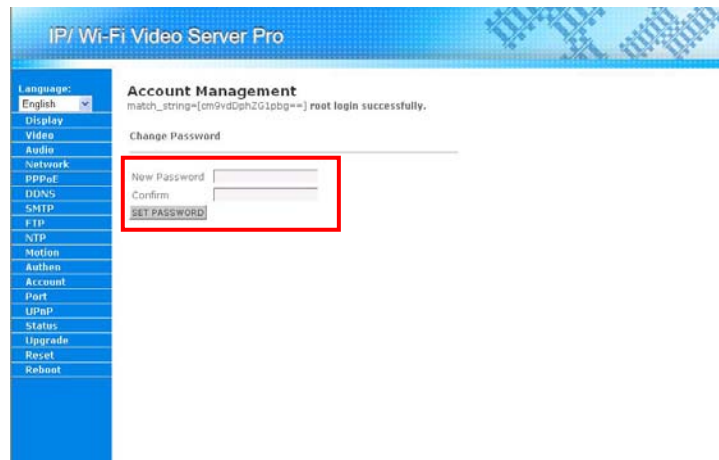- **Save button:** Save and apply the configuration.

7.13 Account Management

User could change the password of the root account through the Account Management. Click on "Account" in the Menu List and follow the steps below for changing the password:

Step 1: Enter the user name and current password twice. Then press the "OK" button for getting into the "Change Password" page.
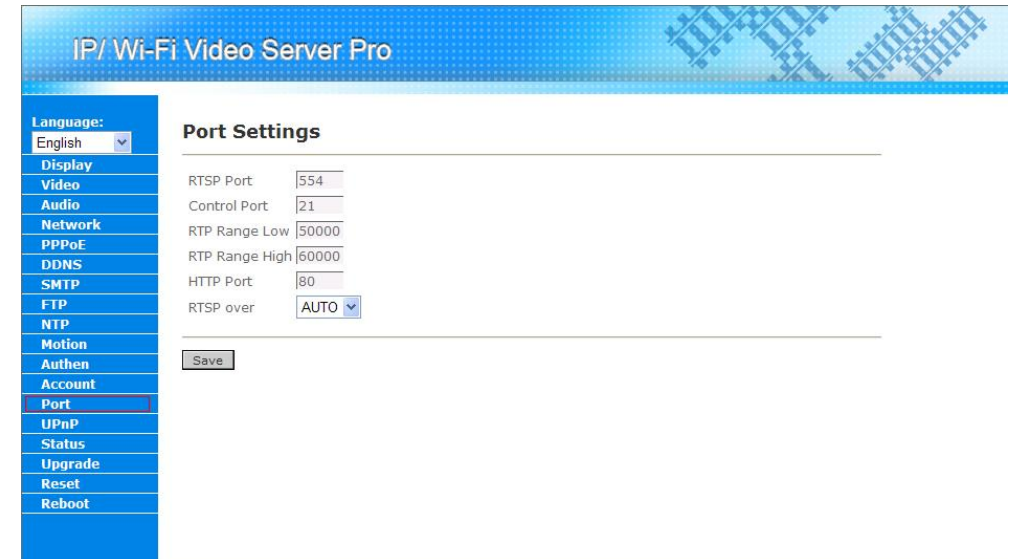

Step 2: Enter the new password twice. And then press "SET PASSWORD" button for changing the password.

7.14 Port Settings

User could change the port number that used by the video stream. The video stream utilizes the RTP/RTSP protocol for delivering through the network. Click on "Port" in the Menu List for further settings.

- **RTSP Port:** Specify the port number the user wants to use for RTSP. The default port is 554.
- **Control Port:** Specify the control port the user wants to use for sending controlling message to IP Video Server Pro. The default port number is 21.
- **RTP Range Low/High:** User might specify the range of the random port that used by RTP protocol. The default range is from 50000 to 60000.
- **HTTP Port:** User might change the default port used by HTTP protocol here. The default port number is 80.
- **RTSP Over:** Select the transferring protocol from **AUTO**, **UDP** or **TCP**.
- **Save button:** Save and apply the configuration.

7.15 UPnP Services

IP Video Server Pro supports UPnP function. Using this function, user could find IP Video Server Pro by just one click on "My Network Place" (Windows XP and later version). For further setting the UpnP function, please click on the "UPnP" on the Menu List.

- **ON:** Enable the UPnP function.
- **Discovery Enable:** If this function is checked, a Windows user could find IP Video Server Pro in the My Network Place. About how to enable the UPnP function in the Windows, please refer to "Section 9 Using UPnP to Connect to the Video Server"
- **UPNP HOSTNAME:** Specify the host name for the UPnP function here.
- **NAT Traversal Enable:** Enable/Disable NAT Traversal function. If IP Video Server Pro is located behind a router (uses a NAT network technology), and the router supports NAT Traversal function, user might enable IP Video Server Pro to negotiate with the router about the port configuration via this function.
- **Off:** Disable the UPnP function.

7.16 Video Connection Status

User could view the video connection status of IP Video Server Pro by clicking on the "Status" in the Menu List.

7.17 Firmware Update

User could update the firmware of IP Video Server Pro when upgrade is needed. Please follow the steps below for updating your firmware.

Step 1: Get the new firmware and save it in the hard disk.

Step 2: Log in the IP Video Server Pro. Click on the "Upgrade" in the Menu List.

Step 3: Click on the "Browser" button in the Main Display area and a dialogue box will pop up for the user to choose the new firmware file (the file saved in Step 1).

Step 4: Click on "Upgrade" button for starting the upgrade process.
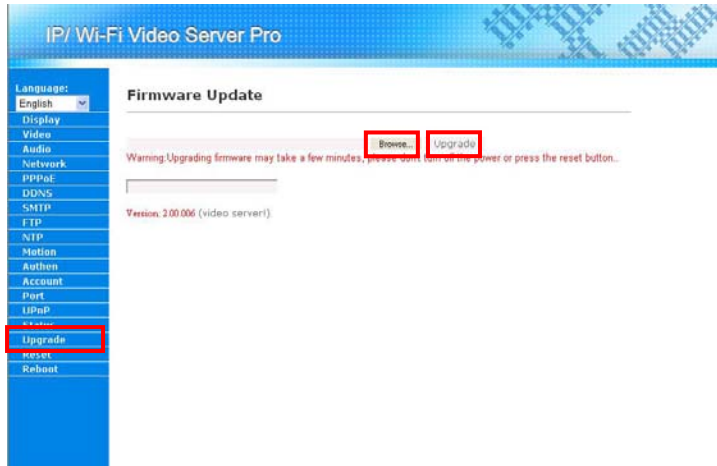
NOTE: The upgrading process **should not** be interrupted, that is user should not turn off the power of or reset the IP Video Server Pro when upgrading, for that will cause a hardware damage of IP Video Server Pro.

7.18 Reset Configuration

User could reset the configuration of IP Video Server Pro. Please follow the step for resetting the video server.

Step 1: Log in IP Video Server Pro and click on the "Reset" button in the Menu List.

Step 2: Select which kind of configuration or "ALL" for all configurations to reset.

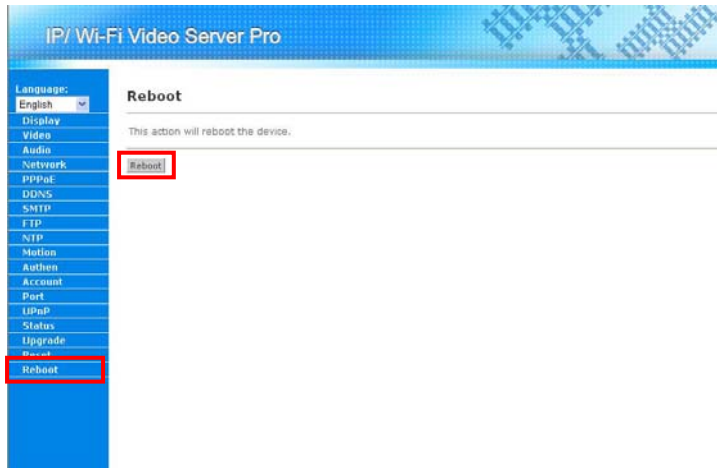**Step 3:** Click on "OK" button for resetting the configuration.
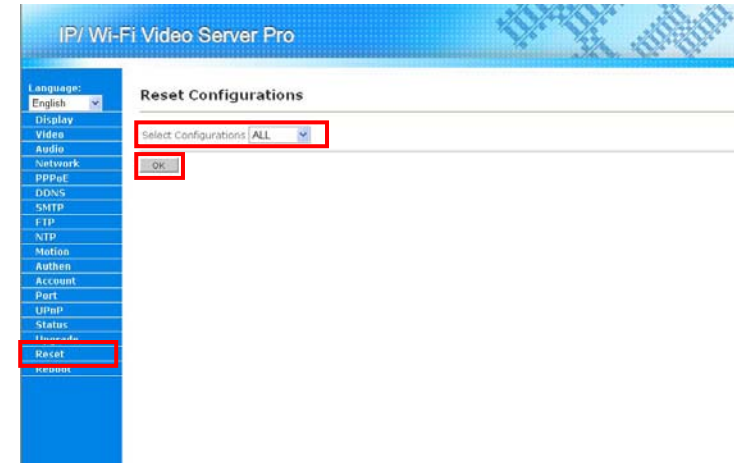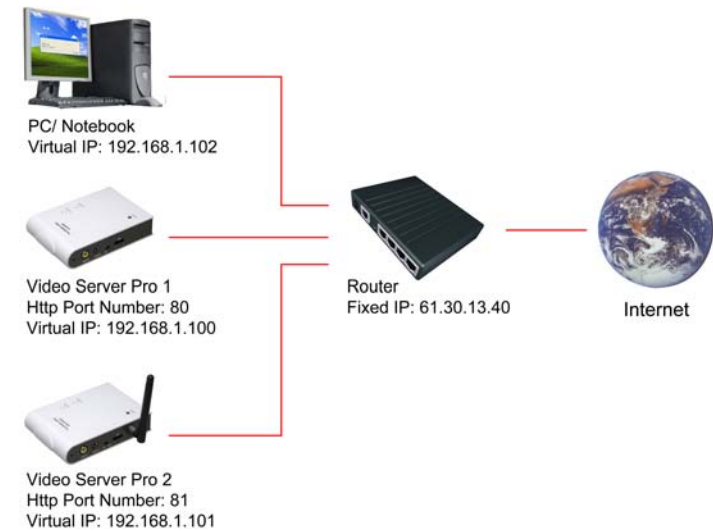
7.19 Reboot the Camera

User could reboot IP Video Server Pro via the browser. Please follow the steps below for rebooting the video server.

Step 1: Log in IP Video Server Pro and click on the "Reboot" in the Menu List.
Step 2: Click on the "Reboot" button in the Main Display area for rebooting the video server.

8. Connecting Multiple Video Servers to a Router

Step 1: Assign a local IP Address and Http Ports for your video servers (confirm the cameras settings corresponding to your network settings; you must use the same gateway and Subnet Mask).

Step 2: Set up the router to open the ports of video servers for remote access the video servers via internet (refer to your router's user manual for how to open up ports).

Step 3: Accessing your video servers.
- Access on local network
Enter "http:// 192.168.1.100" to access the Video Server Pro 1;
Enter "http:// 192.168.1.101" to access the Video Server Pro 2.
- Access from the internet
Enter "http:// 61.30.13.40:80" to access the Video Server Pro 1;
Enter "http:// 61.30.13.40:81" to access the Video Server Pro 2.

9. Using UPnP to Connect to the Video Server

NOTE: If your operating system is Windows 98/ 2000, UPnP is not available.

Step 1: Confirm the UPnP function of video sever has been enabled (refer to section 7.15).

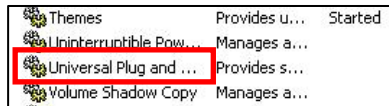**Step 2:** Follow the steps below to enable UPnP for Windows ME/ XP.

- Click "Start" → "Setting" → "Control Panel" → "Administrative Tools" → "Services".
- In the "Services" window, double-click the service "SSDP Discovery Service".
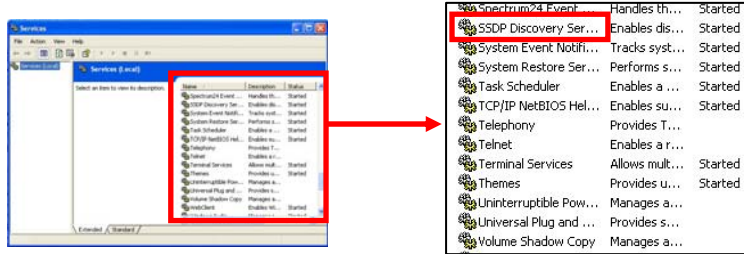
- Select "Automatic" in the "Startup type" item, and click "Start" to start the service. Click "OK" to quit.
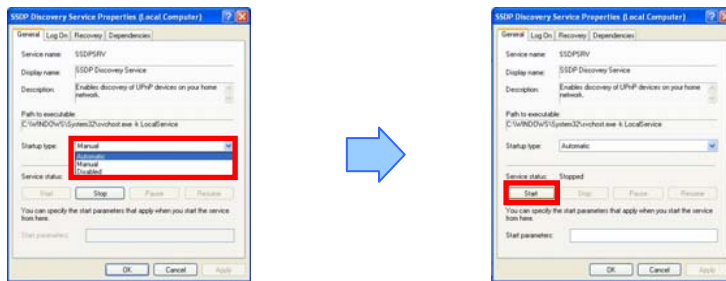
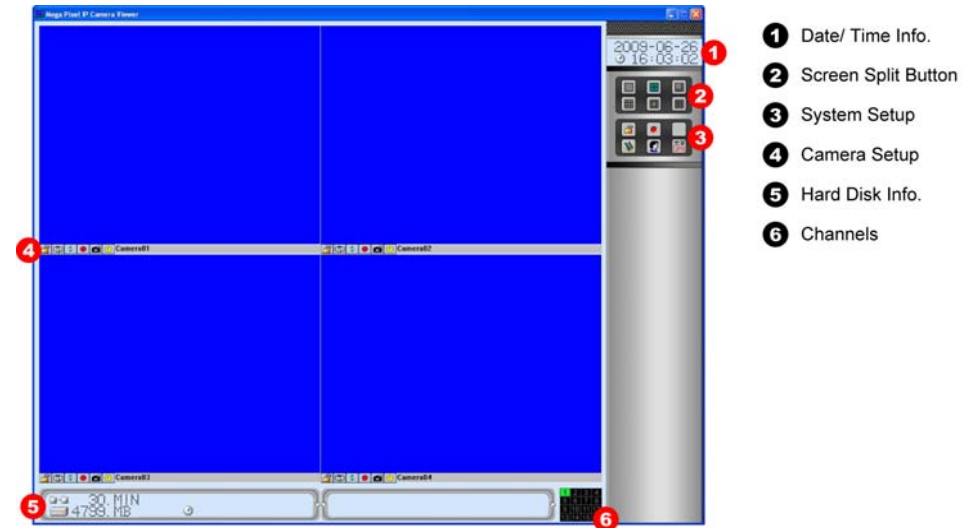- Repeat the steps above to start the "Universal Plug and Play" service.

Step 3: Open the "**My Network Places**" on the desktop, click the "**host**" to connect directly the video server. (The **host** is the default UPnP host name)
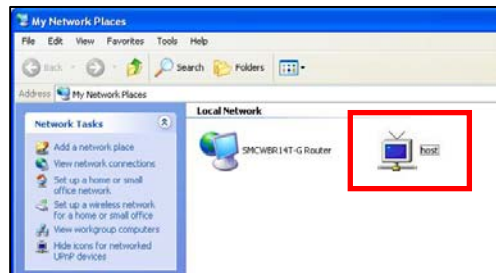
10. Surveillance Software

10.1 Using the Mega Pixel IP Camera Viewer

Double click on ( ) Mega Pixel IP Camera Viewer's execution file on Windows **Desktop** or in the Mega Pixel IP Camera Viewer folder of the **Start menu**. When the program is executed, the following screen will appear (refer to section **5.2 Software Installation**).

1. Date/ Time Info.
2. Screen Split Button
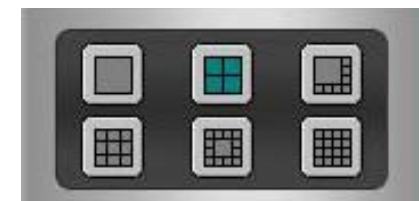3. System Setup
4. Camera Setup
5. Hard Disk Info.
6. Channels

10.1.1 Date/ Time Info.

Display local date and time.
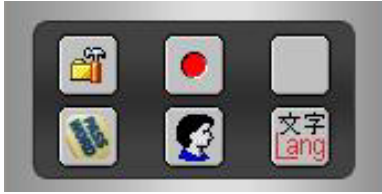
10.1.2 Screen Split Button

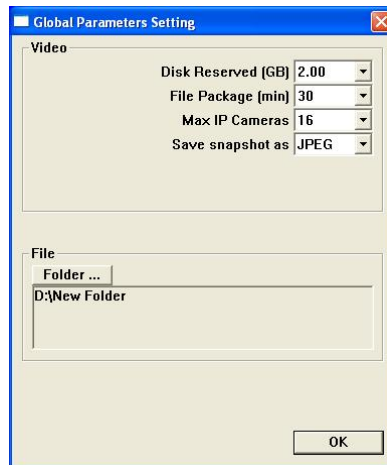Selects screen layout for viewing live video from multiple cameras: 1/ 4/ 8/ 9/ 13/ 16.

10.1.3 System Setup

System Setup include: **Global Parameters**, **Record All Channels**, **Account Manager**, **Login** and **Language**.

10.1.3.1 Global Parameters Setting

Press the [icon] button and the **Global Parameters Setting** window will be displayed.

(1) Video

- Disk Reserved (GB): Set the free space reserved in each HDD.

- File Package (min): To separate the recording file by minutes (30 as default).

- Device Max: The maximum devices supported from 1 to 16 up to the device installed.

- Save snapshot as: Select the snapshots in BMP or JPEG format.

(2) File

- Press the **Folder…** button to select the folder which stores the snapshots or recording files.

NOTE: Press the OK button to save and apply the configuration.

10.1.3.2 Record All Channels

Press the [icon] button to record all of the available channels according to the scheduler setting. Press the [icon] button again to stop recording.

10.1.3.3 Account Manager

Press the [icon] button to open the **Passwords Setting** window. You can set a user's password and an administrator's password.

If the **Check Password** is selected, the users must enter the passwords when login.

10.1.3.4 Login: Enter the passwords of User or Administrator to switch between user and administrator accounts.
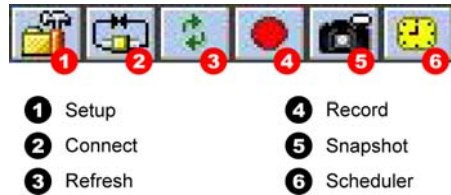

**10.1.3.5 Language:** Select the OSD language.

10.1.4 Camera Setup

The buttons in the bottom of each channel are the functions for current channel only.

- **1** Setup
- **2** Connect
- **3** Refresh
- **4** Record
- **5** Snapshot
- **6** Scheduler

10.1.4.1 Setup

Press the [icon] button and the **TSVideo Parameters** window will be displayed.

(1) **CH. Name**: Enter the channel name.

(2) **Login**: Enter the User ID of the video server (default login: **root**).

(3) **Password**: Enter the password of the video server (default password: **admin**).

(4) **Encorder IP**: Enter the IP address of the video server.

(5) **CGI Port**: Enter the CGI port of the video server (default CGI port: 80).

(6) **Dev. Name**: Select the connected device (select to the Video Server).

(7) **Resolution**: Select the resolution (NTSC: 176x120/ 352x240/ 720x480, PAL: 176x144/ 352x288/ 720x576).

(8) **Flip**: Vertically rotate the video.

(9) **Mirror**: Horizontally rotate the video.

(10) **I-Frame Only**: Enable/ disable the I-Frame function.

(11) **Audio Enable**: Enable/ disable the audio function.

(12) **More…**: Directly open the build-in Web for more configurations.
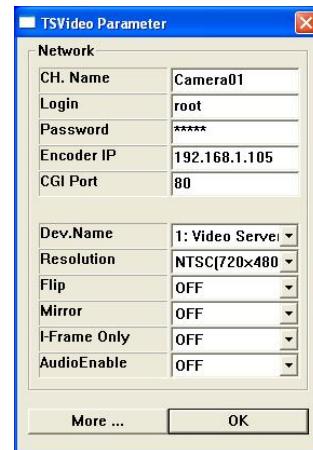
NOTE: Press the OK button to save and apply the configuration.

10.1.4.2 Connect: Click the [icon] button to connect the video server directly, the image of video server will display in the preview window.

10.1.4.3 Refresh: To refresh the videos, the recording process will be stopped and restart again.

If the video is unstable after some high CPU resource programs, CPU usage may come to 100% and all the resources are taken. In that case, the system may run in slower mode than ever. Please click "Refresh" to renew the system and get it backs to higher performance.

10.1.4.4 Record: Record the current channel only.

10.1.4.5 Snapshot: Take a snapshot of live video.

10.1.4.6 Scheduler: Set the recording mode based on the weekday hour.
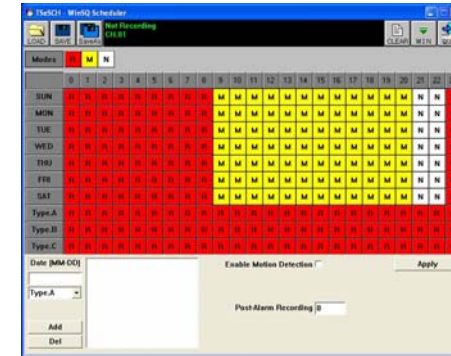

(1) Please click on the weekday hour block to change the recording mode or just drag the mode to the weekday hour block.

(2) **Enable Motion Detection**: Enable/ Disable the motion detection function.

(3) **Post-Alarm Recording**: Enter the recording duration (seconds) after motion is detected

NOTE: If you want to use the motion detection recording function, be sure to enable the **Motion Detection** function and set the **Post-Alarm Recording**, and confirm the **Motion Detection** (refer to section 7.11) and the **Alarm Picture** (refer to section 7.11) have been enabled.

(4) Please save the file before exiting the setting dialog.

(5) Press the **Apply** button to update the current scheduler, and press the **SAVE** or **Save As** button to save the configuration. Press the **QUIT** button to exit.

(6) Repeat the above steps to set up the other channels.

(7) After setting, press the **Record** button on the right side of the screen to start scheduled recording.
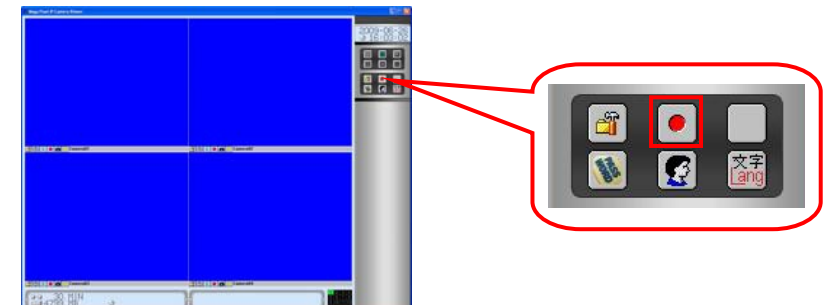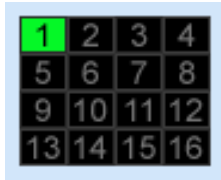
10.1.5 Hard Disk Info.

File package and disk free space amount.
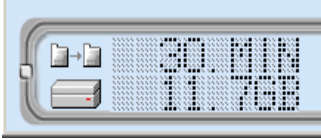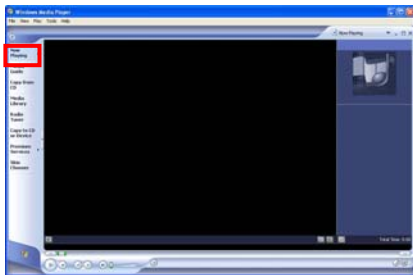

10.1.6 Channels

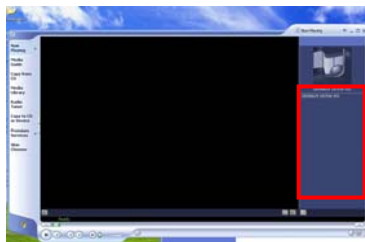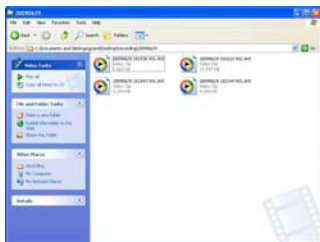16 channels indicators to control the function buttons.

10.2 Play the Recorded Files

The recorded files can be played by Windows Media Player program.

Step1. Open the Windows Media Player and select **Now Playing.**

Step2. Drag the recorded files to the list on the right side of the window.

Step3. Simply double-click the recorded file on the list and it will begin to play.

11. Troubleshooting

Situation	Check Point
No images available through Web browser	1. Confirm the ActiveX has been enabled. 2. Confirm the version of your Internet Explorer. If the version number lower than 5, you need to upgrade it.
Can't connect externally (can work locally)	1. This might be caused by the firewall protection. Check the internet firewall with your system administrator. 2. Refer to section 8 for more information about connecting multiple video servers to a router.
Forgot the login user name and password	1. Restore the Factory Default Settings: Press continuously the **Default** button on the top of the video server for 10 seconds. Default IP Address: **192.168.1.100** Default User Name: **root** Default Password: **admin**